Fluke 561 HVACPro

General Specifications	
Temperature Range	-40 to 550 °C (-40 to 1022 ° F)
Display Resolution	0.1°C (0.1 °F) of reading
D:S (Distance to spot size)	12:1
Easy Emissivity Selector	Adjustable with three settings: Low (0.3), Medium (0.7). High (0.95)
Display Accuracy [Assumes ambient operating temperature of 23°C(73°F) to 25°C(77°F)]	±1.0 % of reading ±1 % of reading or ±1 °C (±2 °F), whichever is greater below 0 °C/32 °F, ±1 °C (±2 °F) ± 0.1°/1°
Response Time	500 mSec (95 % of reading)
Repeatability	±0.5 % of reading or ±1 °C (±2 °F), whichever is greater
Spectral Response	8 µm to 14 µm
Laser Sighting	Single point laser
Laser Shutoff	Laser turns off above ambient temperature of 40 °C (104 °F)
Laser Power	Class 2(II) operation; Output <1mW, wavelength 630-670 nm
Relative Humidity	10 % to 90 % RH non-condensing, at <30 °C (86 °F)
Power	2 AA batteries (alkaline or NiCD)
Battery Life	12 hours
Display Hold	7 seconds
Backlit Display	Yes, LCD with dual temperatures (current and MAX/MIN/DIF/KTC), low battery, F/C indicator, and Scan/Hold options
Warranty	2 years
Operating Temperature	0 °C to 50 °C (32 °F to 120 °F)
Storage Temperature	-20 °C to 65 °C (-25 °F to 150 °F)
MAX, MIN, DIF Temperatures	Yes
Thermocouple Type K Mini Adapter Input	Yes, compatible with industry standard K type probes with mini-connector.
Thermocouple Type K Velcro Pipe Probe	Yes, with a temperature range of 0 °C to 100 °C (32 °F to 212 °F) and accuracy of ±2.2 °C (±4 °F)
HVAC Measurement Guide	Yes

- IR thermometer for quick measurements up close or at a distance, without a ladder
- Compatible with all standard mini-connector K-type thermocouples
- Velcro pipe probe for superheat, sub-cooling or other contact and ambient measurements
- Single-point laser sighting
- Temperature range optimized for HVAC/R applications
- Easy emissivity adjustment for measuring pipes and ducts more accurately
- Lightweight (only 340 grams (12 ounces)) and portable
- Very easy to use
- Efficient – no need to shut down equipment when making IR measurements
- MIN, MAX and DIF temperature readings help you quickly identify problems
- Scan large areas or small objects quickly and efficiently
- HVAC/R measurement guide included to maximize your productivity

Laser-guided sighting for IR measurements
In the IR mode, you can take temperatures within two meters of the target and scan ducts from further away without a ladder. The laser sighting system guides measurements. The single laser dot indicates the approximate center of the measurement area. The measured area becomes larger with distance.

Model Name	Description
Fluke 561	**Includes:** • K-type thermocouple Velcro pipe probe • Durable hard case • 2 AA batteries • User's manual with many step-by-step application instructions (available in English, Spanish, French, Italian, German, Portuguese, and Simplified Chinese) • 2-year warranty

Optional Accessories:

H6	H6 Infrared Thermometer Holster
Temperature	
80PK-11	Thermocouple Temperature Probe
80PK-1	Bead Probe (Type K)
80PK-8	Pipe Clamp Temperature Probe (Type K)
80PK-25	Piercing Temperature Probe